10/524077

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



TORING ANTONIA CONTROLLA CONTROLLA CONTROLLA CONTROLLA CONTROLLA CONTROLLA CONTROLLA CONTROLLA CONTROLLA CONTR

(43) International Publication Date 19 February 2004 (19.02.2004)

PCT

(10) International Publication Number WO 2004/014257 A1

(51) International Patent Classification7:

A61F 2/06

(21) International Application Number:

PCT/IL2003/000303

(22) International Filing Date: 10 April 2003 (10.04.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

151162 8 August 2002 (08.08,2002) Π. 151931 25 September 2002 (25.09.2002) Π L 10/239,980 26 September 2002 (26.09.2002) US PCT/IL02/00805 3 October 2002 (03.10.2002) Π 152366 17 October 2002 (17.10.2002) Π L 153753 30 December 2002 (30.12.2002) Π L

(71) Applicant (for all designated States except US): NEO-VASC MEDICAL LTD. [IL/IL]; 6 YONI NETANYAHU STREET, 60376 OR YEHUDA (IL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BEN MUVHAR, Shmuel [IL/IL]; TIRAT ZVI, 10815 D.N. BEIT SHEAN VALLEY (IL).

(74) Agents: FENSTER, Paul et al.; FENSTER AND COM-PANY INTELLECTUAL PROPERTY 2002 LTD., P. O. BOX 10256, 49002 PETACH TIKVA (IL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

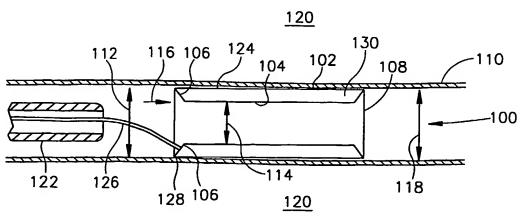
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: GEOMETRIC FLOW REGULATOR



(57) Abstract: A tubular implant for obstructing blood flow through a blood vessel, (110) the implant comprising an outer surface having a geometry of a tube, at least a portion of which is adapted for contacting a blood vessel and an inner surface defining a passage through which blood flows, wherein the distance between the inner surface and the outer surface is non-uniform along an axis of said tube.